



US Army Corps
of Engineers®
New York District

Ramapo River at Oakland, NJ

Flood Damage Reduction Project

FACT SHEET

DESCRIPTION: The project involves the construction of features for flood protection along the Ramapo River from Pompton Lake in Wayne Township and the Borough of Pompton Lakes, upstream through the Borough of Oakland to West Oakland Avenue, a distance of 3.3 miles. The authorized plan for flood damage reduction along the project area includes channel modification of 5,800 feet of the Ramapo River and the relocation of the Doty Road Bridge. The authorized plan also calls for the installation of flood control gates at the existing Pompton Lake Dam. Mitigation for the environmental impacts of the plan includes the creation of an eight-acre wetland in Potash Lake.

The principal problem along the Ramapo River is flooding caused by the backwater effect produced by the Pompton Lake Dam, the hydraulic constrictions produced by bridges crossing the river, and insufficient channel capacity. Flooding has occurred frequently, with the most recent events in 1968, 1970, 1971, 1973, 1977, 1978, 1979, 1980, 1983, 1984, 1987, 1993, January 1996, and in September 1999 from Tropical Storm Floyd.

The April 1984 flood was the most severe causing \$9,500,000 in damages (October 1995 price level). The flood had a recurrence frequency of 2 percent (a 50-year flood event). It is estimated that if a storm with a 1 percent recurrence frequency (100-year event) were to occur, approximately 350 structures would sustain damages, resulting in approximately \$11,600,000 in damages (October 1995 price level). Tropical Storm Floyd in September 1999 also caused significant damage.

AUTHORIZATION: The Ramapo River was studied as part of the Passaic River Basin Phase I Advanced Engineering and Design Study which was authorized by the Water Resources Development Act of 1976 (Public Law 94-587, October 22, 1976). Congressional guidance for the conduct of the study is included in House of Representatives Report 94-1702. The project was authorized for construction under the Water Resources Development Act (WRDA) of 1986 (Public Law 99-662) and reauthorized in WRDA 1996 (PL 104-303). The sponsor is the New Jersey Department of Environmental Protection.

STATUS: The overall project includes three separate construction features. The first and second features including widening and deepening the existing Ramapo River and creation of wetlands in Potash Lake is complete. The third contract that includes the installation of flood control gates at the Pompton Lake Dam was awarded to Cruz Construction of Holmdel, New Jersey. Physical construction is scheduled to begin in March 2004 with a November 2005 completion.

PROJECT COST:

Estimated Federal Cost	\$19,600,000
Estimated Non-Federal Cost	\$2,000,000
Total	\$21,600,000

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Please visit project web page:
<http://www.nan.usace.army.mil/business/prjlinks/flooding/oakland/index.htm>